SYSTEM AND METHOD FOR SCALABLE CLOCK GEARING MECHANISM

ABSTRACT OF THE DISCLOSURE

[0028]   In some embodiments, a system and method for making a scalable clock gearing mechanism may allow multiple devices operating on different clock speeds to communicate. In an embodiment, a mechanism may be used to input data clocked on a first clock frequency and output the data on a second clock frequency. The mechanism may temporarily store the data until the next clock cycle of the second clock. Further, the mechanism may make use of multiple inputs or outputs to input or output multiple data units during a single clock cycle to keep the delay between the arrival and departure of the data small.

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